

Title (en)

MEASURING SYSTEM FOR DETERMINING A QUANTITY OF HYDROGEN EMITTED AND METHOD THEREOF

Title (de)

MESSSYSTEM ZUM ERMITTELN EINER ABGEGEBENEN WASSERSTOFFMENGE SOWIE VERFAHREN HIERZU

Title (fr)

SYSTÈME DE MESURE POUR DÉTERMINER UNE QUANTITÉ LIVRÉE D'HYDROGÈNE ET PROCÉDÉ ASSOCIÉ

Publication

EP 4009010 C0 20231004 (DE)

Application

EP 20211219 A 20201202

Priority

EP 20211219 A 20201202

Abstract (en)

[origin: CA3198977A1] The invention relates to a measurement system for determining a dispensed quantity of hydrogen of a hydrogen discharge installation from a hydrogen discharge unit that is present there to a receiving tank, comprising a measurement unit. The measurement unit can comprise a flow meter, wherein the measurement system is designed to establish a fluid-tight connection between the hydrogen discharge unit and the receiving tank. The flow meter further comprises an active cooling. The invention also relates to a measurement method for determining a dispensed quantity of hydrogen.

IPC 8 full level

G01F 15/00 (2006.01); **B67D 7/00** (2010.01); **F17C 5/06** (2006.01); **G01F 1/00** (2022.01); **G01F 25/00** (2022.01)

CPC (source: EP KR US)

F17C 5/06 (2013.01 - US); **F17C 13/028** (2013.01 - EP KR US); **G01F 1/00** (2013.01 - EP KR); **G01F 15/00** (2013.01 - EP KR); **G01F 25/15** (2022.01 - EP KR US); **F17C 2221/012** (2013.01 - US); **F17C 2250/0443** (2013.01 - EP KR US); **F17C 2265/065** (2013.01 - EP KR US); **F17C 2270/0139** (2013.01 - EP KR US); **Y02E 60/32** (2013.01 - EP KR); **Y02P 90/45** (2015.11 - EP KR)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Participating member state (EPC – UP)

AT BE BG DE DK EE FI FR IT LT LU LV MT NL PT SE SI

DOCDB simple family (publication)

EP 4009010 A1 20220608; **EP 4009010 B1 20231004**; **EP 4009010 C0 20231004**; CA 3198977 A1 20220609; CN 116507579 A 20230728; ES 2967985 T3 20240506; JP 2024502543 A 20240122; KR 20230098820 A 20230704; PL 4009010 T3 20240325; US 2023400155 A1 20231214; WO 2022117356 A1 20220609

DOCDB simple family (application)

EP 20211219 A 20201202; CA 3198977 A 20211118; CN 202180078438 A 20211118; EP 2021082128 W 20211118; ES 20211219 T 20201202; JP 2023534330 A 20211118; KR 20237017793 A 20211118; PL 20211219 T 20201202; US 202118033959 A 20211118